



JUNIPER NETWORKS STRM TECHNICAL NOTE

CHANGING NETWORK SETTINGS

FEBRUARY 2008

This document provides information on changing network settings for the Console and non-Console systems when using CentOS-4 operating systems in your deployment including:

- [Changing Network Settings in an All-in-One Console](#)
- [Changing the Network Settings of a Console in a Multi-System Deployment](#)
- [Changing the Network Settings of a Non-Console in a Multi-System Deployment](#)

Changing Network Settings in an All-in-One Console

You can change the network settings in your All-In-One system. An All-In-One system has all STRM components, including the Administration Console, installed on one system.

To change the settings on the STRM Console:



Note: You must have a local connection to your Console before executing the script.

Step 1 Log in to the Console, as root.

Step 2 Enter the following command:

```
qchange_netsetup
```

The Configure STRM window appears.

Step 3 Using the up/down arrow keys to navigate the fields, change the necessary parameters:

- **Hostname** — Specify a fully qualified domain name as the system hostname.
- **IP Address** - Specify the IP address of the system.
- **Netmask** - Specify the network mask address for the system.
- **Gateway** - Specify the default gateway of the system.
- **Primary DNS** - Specify the primary DNS server.

- **Secondary DNS** - Optional. Specify the secondary DNS server.
- **Public IP** - Optional. Specify the public IP address of the server. The server uses this IP address to communicate with another server that belongs to a different network using Network Address Translation (NAT). NAT translates an IP address in one network to a different IP address in another network.
- **Email Server** - Specify the email server. If you do not have an email server, specify **localhost** in this field.

Step 4 Use the TAB key to navigate to the Finish option. Press **Enter**.



Note: A series of messages appear as STRM processes the requested changes. This is typically a one to two minute process.

Step 5 Enter the following commands to ensure proper permissions are enforced:

```
chown nobody:nobody /opt/qradar/conf/nva.conf
chown nobody:nobody /store/configservices/staging/globalconfig/nva.conf
chown nobody:nobody /store/configservices/deployed/globalconfig/nva.conf
```

Step 6 Enter the following command:

```
Exit
```

Changes are complete.

Changing the Network Settings of a Console in a Multi-System Deployment

To change the network settings in a multi-system deployment, you must remove all non-Console managed hosts from the deployment, change the network settings, re-add the managed host(s), and then re-assign the component(s).

You must perform this procedure in the following order:

- [Removing Non-Console Managed Hosts](#)
- [Changing the Network Settings](#)
- [Re-Adding Managed Host\(s\) and Re-Assigning the Components](#)



Note: This procedure requires you to use the Deployment Editor. For more information on using the Deployment Editor, see the STRM Administration Guide.

Removing Non-Console Managed Hosts

To remove non-Console managed hosts from your deployment, you must:

Step 1 Log in to STRM:

```
https://<IP Address>
```

Where <IP Address> is the IP address of the STRM system.

```
Username: admin
```

```
Password: <root password>
```

Where <root password> is the password assigned to STRM during the installation process.

- Step 2** In the main STRM Interface, click **Config**.
- Step 3** Click the deployment editor icon.
- Step 4** Click the **System View** tab.
- Step 5** Select the managed host you wish to delete.
- Step 6** Use the right mouse button (right-click) to access the menu, select **Remove host**. Repeat for each non-Console managed host until all hosts are deleted.
- Step 7** From the Administrative Console menu, select **Configurations > Deploy Configuration Changes**.
- Step 8** Exit from the Administration Console.



Note: If the Administration Console is still active on your system tray, use the right-mouse button (right-click) to access the menu and select **Exit**.

Changes are deployed.

Changing the Network Settings

To change the network settings, you must:

- Step 1** Log in to the Console as root.
- Step 2** Enter the following command:
- ```
qchange_netsetup
```
- The Network Settings window appears.
- Step 3** Using the up/down arrow keys to navigate the fields, make the necessary changes to the following parameters:
- **Hostname** — Specify a fully qualified domain name as the system hostname.
  - **IP Address** - Specify the IP address of the system.
  - **Netmask** - Specify the network mask address for the system.
  - **Gateway** - Specify the default gateway of the system.
  - **Primary DNS** - Specify the primary DNS server.
  - **Secondary DNS** - Optional. Specify the secondary DNS server.
  - **Public IP** - Optional. Specify the public IP address of the server. The server uses this IP address to communicate with another server that belongs to a different network using Network Address Translation (NAT). NAT translates an IP address in one network to a different IP address in another network.
  - **Email Server** - Specify the email server. If you do not have an email server, specify **localhost** in this field.
- Step 4** Use the TAB key to move to the Finish option. Press **Enter**.



**Note:** A series of messages appear as STRM processes the requested changes. This is typically a one to two minute process.

- Step 5** Enter the following commands to ensure proper permissions are enforced:

```
chown nobody:nobody /opt/qradar/conf/nva.conf
```

```
chown nobody:nobody /store/configservices/staging/globalconfig/nva.conf
chown nobody:nobody /store/configservices/deployed/globalconfig/nva.conf
```

**Step 6** Enter the following command:

```
Exit
```

Changes are complete.

### Re-Adding Managed Host(s) and Re-Assigning the Components

To re-add the managed host(s) and re-assign component(s), you must:

**Step 1** Log in to STRM and access the System View in the Deployment Editor, as defined in [Step 1, Removing Non-Console Managed Hosts](#).

Re-add managed host(s) to your deployment.

**Step 2** From the menu, select **Actions > Add a managed host**.

The Add a new host wizard appears.

**Step 3** Click **Next**.

The Enter the host's IP window appears.

**Step 4** Enter values for the parameters:

- **Enter the IP of the server or appliance to add** — Specify the IP address of the host you wish to add to your System View.
- **Enter the root password of the host** — Specify the root password for the host.
- **Confirm the root password of the host** — Specify the password again, for confirmation.

**Step 5** Click **Next**.

**Step 6** Click **Finish**.

**Step 7** Re-assign all components to your non-Console managed host.

- a In the STRM Deployment Editor, click the **Flow View** or **Event View** tab.
- b Select the component you wish to re-assign to the managed host.
- c From the menu, select **Actions > Assign**



**Note:** You can also use the right mouse button (right-click) to access the Actions menu items.

The Assign Component wizard appears.

d From a Select a host drop-down list box, select the host you wish to re-assign to this component. Click **Next**.

e Click **Finish**.

**Step 8** Repeat for each non-Console managed host until all hosts are re-added and re-assigned.

- Step 9** From the Administrative Console menu, select **Configurations > Deploy Configuration Changes**.

Changes are deployed.

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## Changing the Network Settings of a Non-Console in a Multi-System Deployment

To change the network settings of a non-Console in a multi-system deployment, you must remove all non-Console managed hosts from the deployment, change the network settings, re-add the managed host, and then re-assign the component(s).

You must perform this procedure in the following order:

- [Removing the Non-Console Managed Host](#)
- [Changing the Network Settings](#)
- [Re-Adding the Managed Host and Re-Assigning the Components](#)



**Note:** This procedure requires you to use the Deployment Editor. For more information on using the Deployment Editor, see the STRM Administration Guide.

## Removing the Non-Console Managed Host

To remove non-Console managed host from your deployment, you must:

- Step 1** Log in to STRM:

https://<IP Address>

Where <IP Address> is the IP address of the STRM system.

Username: **admin**

Password: <root password>

Where <root password> is the password assigned to STRM during the installation process.

- Step 2** In the main STRM Interface, click **Config**.
- Step 3** In the main STRM Interface, click **Config**.
- Step 4** Click the deployment editor icon.
- Step 5** Click the **System View** tab.
- Step 6** Select the managed host you wish to delete.
- Step 7** Use the right mouse button (right-click) to access the menu, select **Remove host**.
- Step 8** From the Administrative Console menu, select **Configurations > Deploy Configuration Changes**.
- Step 9** Exit from the Administration Console.



**Note:** If the Administration Console is still active on your system tray, use the right-mouse button (right-click) to access the menu and select **Exit**.

Changes are deployed.

## Changing the Network Settings

To change the network settings, you must:

**Step 1** Log in to the non-Console as root.

**Step 2** Enter the following command:

```
qchange_netsetup
```

The Network Settings window appears.

**Step 3** Using the up/down arrow keys to navigate the fields, make the necessary changes to the following parameters:

- **Hostname** — Specify a fully qualified domain name as the system hostname.
- **IP Address** - Specify the IP address of the system.
- **Netmask** - Specify the network mask address for the system.
- **Gateway** - Specify the default gateway of the system.
- **Primary DNS** - Specify the primary DNS server.
- **Secondary DNS** - Optional. Specify the secondary DNS server.
- **Public IP** - Optional. Specify the public IP address of the server. The server uses this IP address to communicate with another server that belongs to a different network using Network Address Translation (NAT). NAT translates an IP address in one network to a different IP address in another network.
- **Email Server** - Specify the email server. If you do not have an email server, specify **localhost** in this field.

**Step 4** Use the TAB key to move to the Finish option. Press **Enter**.



**Note:** A series of messages appear as STRM processes the requested changes. This is typically a one to two minute process.

**Step 5** Enter the following commands to ensure proper permissions are enforced:

```
chown nobody:nobody /opt/qradar/conf/nva.conf
chown nobody:nobody /store/configservices/staging/globalconfig/nva.conf
chown nobody:nobody /store/configservices/deployed/globalconfig/nva.conf
```

**Step 6** Enter the following command:

```
Exit
```

Changes are complete.

## Re-Adding the Managed Host and Re-Assigning the Components

To re-add the managed host and re-assign component(s), you must:

**Step 1** Log in to STRM and access the System View in the Deployment Editor, as defined in [Step 1, Removing the Non-Console Managed Host](#).

Re-add managed host to your deployment.

**Step 2** From the menu, select **Actions > Add a managed host**.

The Add a new host wizard appears.

**Step 3** Click **Next**.

The Enter the host's IP window appears.

**Step 4** Enter values for the parameters:

- **Enter the IP of the server or appliance to add** — Specify the IP address of the host you wish to add to your System View.
- **Enter the root password of the host** — Specify the root password for the host.
- **Confirm the root password of the host** — Specify the password again, for confirmation.

**Step 5** Click **Next**.

**Step 6** Click **Finish**.

**Step 7** Re-assign all components to your non-Console managed host.

- a In the STRM Deployment Editor, click the **Flow View** or **Event View** tab.
- b Select the component you wish to re-assign to the managed host.
- c From the menu, select **Actions > Assign**



**Note:** You can also use the right mouse button (right-click) to access the Actions menu items.

The Assign Component wizard appears.

- d From a Select a host drop-down list box, select the host you wish to re-assign to this component. Click **Next**.
- e Click **Finish**.

**Step 8** From the Administrative Console menu, select **Configurations > Deploy Configuration Changes**.

Changes are deployed.

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